



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,929	10/26/2001	Chien-Hsin Lin	US018144	2986

7590 02/07/2005

Corporate Patent Counsel
Philips North America Corporation
580 White Plains Road
Tarrytown, NY 10591

EXAMINER

LEE, MICHAEL

ART UNIT	PAPER NUMBER
----------	--------------

2614

2

DATE MAILED: 02/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED

MAR 02 2005

Technology Center 2600

Office Action Summary

Application No.

10/045,929

Applicant(s)

LIN ET AL.

Examiner

M. Lee

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 14 is/are allowed.
- 6) ☒ Claim(s) 1-6, 10-13, 15-21, 25-28 is/are rejected.
- 7) ☒ Claim(s) 7-9 and 22-24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>1/23/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 2, 6, 10, 15-17, 21 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Yanker (5,075,673).

Regarding claim 1, Yanker discloses an image panning system showing a user configurable world-plane image 30 and a view port 48 (col. 2, lines 60-63), which meet the establishing step as claimed, a world plane memory 22, which meets the storing step as claimed, a viewpoint memory 20, which meets the prefetching step as claimed, and an ALU 10, which meets the fetching step as claimed.

Regarding claim 2, the world plane image is a video frame.

Regarding claim 6, the world plane image memory and the viewport memory in Yanker can be decoupled or coupled with each other with the control of the ALU 10.

Regarding claims 15-17, 21, see similar rejections as set forth above.

Regarding claims 10 and 25, the world plane memory and the viewport memory are inherently optimized in Yanker so that the cycle time is reduced.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2614

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 3-5, 11-13, 18-20, 26-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yanker (5,075,673).

Regarding claims 3-5, 11-13, 18-20, 26-28, Yanker does not specify the window size, the sampling window size, and the fixed number of pixels as claimed. In any event, Yanker teaches that the sizes of the world plane image and the viewport image can be configured into different desired sized (col. 2, lines 60-63). Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to configure the world plane image and the viewport image into any size as desired. It would have considered an obvious design choice.

Allowable Subject Matter

5. Claim 14 is allowed.
6. Claims 7-9, 22-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
7. The following is a statement of reasons for the indication of allowable subject matter: Prior art does not specify the pixels that are addressed according to distance parameters defined relative to a current pixels as recited in claims 7, 9, 14, 22, and 24.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Searby (4,485,402) shows an input buffer and an output buffer.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number is 703-305-4743. The examiner can normally be reached on Monday through Thursday from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller, can be reached on 703-305-4795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



M. Lee
Primary Examiner
Art Unit 2614

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	10/045929
Filing Date	10/26/2001
First Named Inventor	LIN, Chien-Hsin
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	US01 8144

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number No.-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

RECEIVED

JAN 28 2004

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number (ctry ³ -no.-kind ⁵ , if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of cited document	Pages, Columns Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
ml		EP 0 767 588	04-09-1997	WILSON, WILLIAM B.		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in capital letters), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature		Date Considered	2/4/05
-----------------------	---	--------------------	--------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Notice of References Cited	Application/Control No. 10/045,929	Applicant(s)/Patent Under Reexamination LIN ET AL.	
	Examiner M. Lee	Art Unit 2614	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-4,485,402	11-1984	Searby, Anthony D.	348/715
	B	US-5,075,673	12-1991	Yanker, Peter C.	345/163
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U. S. DEPARTMENT OF COMMERCE
COMMISSIONER FOR PATENTS
P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

IF UNDELIVERABLE RETURN IN TEN DAYS

OFFICIAL BUSINESS

AN EQUAL OPPORTUNITY EMPLOYER

RECEIVED

MAR 02 2005

Technology Center 2600